

IN THE CLAIMS:

Claims 1, 8, 9, 14-16, and 21-23 are canceled in this paper without prejudice or disclaimer. Please replace the pending claims with the claims as listed below. Subsequent to entrance of the instant amendment, the following will constitute a complete listing of all pending claims.

1. (Canceled).

2. (Currently amended) ~~[[The]]~~ An improved atomizer of ~~claim 1, further comprising: the type in which a fluid housed inside a container is ejected through a nozzle, the improvement comprising:~~

a bottle operable as the container to hold the fluid, the bottle comprising a generally cylindrical portion;

a resilient element structured to form a self-biased engagement with a wall of the cylindrical portion of the bottle at a plurality of locations along an axis of the bottle, the resilient element having a size larger than the cylindrical portion of the bottle so as to permit suspension of the bottle by the resilient element, in a receiving socket of a storage device; and

an extension conduit between a pump mechanism and an atomizing nozzle, said conduit being malleable and deformable to permit a user to adjust the orientation of a direction of discharge from said nozzle.

3. (Original) The improved atomizer of claim 2, in combination with:
a brace with a first end adapted for engagement with said bottle, and a second end carrying structure adapted to engage said conduit at a location spaced apart distally from said pump mechanism, said brace being operable to resist movement of said nozzle during actuation of said pump mechanism.

4. (Original) The improved atomizer of claim 3, wherein:
the first end of said brace is configured and arranged to form a clip-on attachment to a portion of said bottle.

5. (Original) The improved atomizer of claim 3, wherein:
the second end of said brace is configured and arranged to form a clip-on attachment to said conduit.

6. (Previously presented) The improved atomizer of claim 3, wherein:
a damping structure carried at the second end of said brace is configured and arranged to resist motion, induced by said pump-mechanism, of a portion of said conduit distal to said damping structure.

7. (Original) The improved atomizer of claim 3, wherein:
said pump mechanism comprises a pump head displaceable by a human digit through a vertical distance between a first and a second elevation; and
said brace is configured and arranged to hold said conduit to provide a fulcrum location at a third elevation, said third elevation being approximately midway between said first and said second elevations, so as to reduce a horizontal displacement of the fulcrum during vertical actuation of said pump mechanism.

8. and 9. (Canceled).

10. (Currently amended) [[The]] A stabilized pump-bottle fluid atomizer of claim 8,
comprising:
a pump mechanism operable to pressurize and eject fluid from confinement inside a pump-bottle,
the pump mechanism comprising a pump head displaceable by a human digit through a
vertical distance between a first and a second elevation;
a conduit between the pump head and a fluid atomizing nozzle; and
a brace between the pump-bottle and the conduit, the brace being configured and arranged to
hold the conduit so as to resist motion of said nozzle during actuation of said pump
mechanism, wherein:
a structure carried by said brace is adapted to provide a fulcrum location for localized bending of
said conduit at a third elevation, said third elevation being approximately midway
between said first and said second elevations so as to reduce a horizontal displacement of
the fulcrum during vertical actuation of said pump mechanism.

11. (Currently amended) [[The]] A stabilized pump-bottle fluid atomizer of claim 8,
comprising:
a pump mechanism operable to pressurize and eject fluid from confinement inside a pump-bottle,
the pump mechanism comprising a pump head displaceable by a human digit through a
vertical distance between a first and a second elevation;
a conduit between the pump head and a fluid atomizing nozzle; and
a brace between the pump-bottle and the conduit, the brace being configured and arranged to
hold the conduit so as to resist motion of said nozzle during actuation of the pump
mechanism, wherein:
said brace is adapted for removable clip-on attachment to the conduit to permit removal of a
unitary assembly comprising said pump head, the conduit, and said atomizing nozzle.

12. (Currently amended) ~~[[The]]~~ A stabilized pump-bottle fluid atomizer of claim 8 comprising:

a pump mechanism operable to pressurize and eject fluid from confinement inside a pump-bottle,
the pump mechanism comprising a pump head displaceable by a human digit through a
vertical distance between a first and a second elevation;

a conduit between the pump head and a fluid atomizing nozzle; and

a brace between the pump-bottle and the conduit, the brace being configured and arranged to
hold the conduit so as to resist motion of the nozzle during actuation of the pump
mechanism, wherein:

said pump head is adapted for removable attachment to said pump mechanism, so as to permit replacement of a unitary assembly comprising said pump head, the conduit, and said atomizing nozzle.

13. (Currently amended) The stabilized pump-bottle fluid atomizer of ~~claim 8~~, claim 12, further comprising:

a resilient element adapted to engage a wall of a cylindrical portion of said pump-bottle at a plurality of locations along an axis of said pump-bottle, said resilient element having a diameter larger than said cylindrical portion of said pump-bottle so as to permit suspension of said pump-bottle by said resilient element in a socket of a storage device.

14. through 16. (Canceled).

17. (Currently amended) The pump-bottle fluid atomizer of claim ~~[[16]]~~ 19, wherein: the second end of said brace is configured and arranged to form a clip-on attachment to a portion of said conduit between said pump head and said nozzle.

18. (Currently amended) The pump-bottle fluid atomizer of claim [[16]] 19, wherein: a proximal portion of said conduit, located between said pump head and structure carried at the second end of said brace, is configured and arranged to reduce a horizontal deflection of said nozzle during actuation of said pump mechanism.

19. (Currently amended) ~~The A pump-bottle fluid atomizer of claim 16, wherein,~~
comprising:
a bottle structured to hold a fluid;
a pump mechanism operable to pressurize and eject fluid from confinement inside the bottle, the
pump mechanism comprising a pump head displaceable by a human digit through a
vertical distance between a first and a second elevation;
a conduit between the pump head and a fluid atomizing nozzle, the conduit comprising a
malleable and deformable portion permitting a user to adjust the orientation of a direction
of discharge from the nozzle;
a brace between the bottle and the conduit, the brace being operable to reduce motion of the
nozzle during actuation of the pump mechanism, wherein:
the brace comprises first and second ends;
the first end being adapted for attachment to the bottle; and
the second end being adapted for removable attachment to the conduit at a
location spaced apart distally from the pump head; and
said brace is configured and arranged to produce a fulcrum about which said conduit may bend so as to allow a vertical deflection of a proximal portion of said conduit and accommodate actuation of said pump mechanism; the fulcrum being located at a third elevation approximately midway between said first and second elevations to reduce a horizontal motion induced in the fulcrum by the vertical deflection of said proximal portion of said conduit.

20. (Currently amended) The pump-bottle fluid atomizer of claim [[14]] 19, further comprising:

a resilient element adapted to engage a wall of said bottle at one or more locations along an axis of said bottle, a combined cross-section of said resilient element and said wall having a size to permit suspension of said bottle by said resilient element in a socket of a commercially available storage device.

21. through 23. (Canceled).

24. (Currently amended) The An atomizer assembly for use with a pump-bottle atomizer, comprising: of claim 23, in combination with:
an extension conduit attached for fluid flow at a first end to a pump head and attached for fluid flow at a second end to a fluid atomizing nozzle, the pump head being configured and arranged for fluid flow engagement with a pump mechanism of the pump bottle, wherein:
the conduit comprises a deformable portion operable by a user to orient a discharge from the nozzle in a plurality of user defined directions; and
the conduit comprises a multi-lumen conduit with a deformable wire disposed in one lumen of the multi-lumen conduit, in combination with:

a pump-bottle; and

a brace disposed between said pump-bottle and said conduit, said brace being operable to resist displacement of said nozzle during actuation of said pump mechanism.

25. (Original) The atomizer assembly combination of claim 24, wherein:
a proximal portion of said conduit, disposed between said pump head and an attach location on said conduit for structure carried by said brace, can be arranged in a nonlinear configuration whereby to permit vertical displacement of said pump head to actuate said pump mechanism while reducing a correspondingly required horizontal displacement of said attach structure.